

Amendments to the Claims:

Kindly add new claims 32-34, as indicated below. This listing of claims is intended to replace all prior versions, and listings, of claims in the application.

1. (Previously presented) Particulate composite material, comprising an average particle size of 20 to 50 μm and containing at most 10 wt.-% particles with a size of < 10 μm .
2. (Previously presented) Particulate composite material according to claim 1, further comprising a maximum particle size of 70 μm .
3. (Previously presented) Particulate composite material according to claim 1, prepared by curing of a mixture of
 - (a) 10 to 80 wt.-% organic binder;
 - (b) 0.01 to 5 wt.-% polymerization initiator; and
 - (c) 20 to 90 wt.-% inorganic filler,each relative to the total mass of the uncured mixture.
4. (Previously presented) Particulate composite material according to claim 3, wherein the inorganic filler comprises quartz, glass ceramic, glass powder or a mixture thereof.
5. (Previously presented) Particulate composite material according to claim 4, wherein said glass powder comprises barium glass powder or strontium glass powder.
6. (Previously presented) Particulate composite material according to claim 4, wherein said quartz, glass ceramic and/or glass powder has an average particle size of 0.4 to 1.5 μm .
7. (Previously presented) Particulate composite material according to claim 3, wherein said composite contains 10 to 50 wt.-% X-ray-opaque filler.
8. (Previously presented) Particulate composite material according to claim 7, further comprising ytterbium fluoride.

9. (Previously presented) Particulate composite material according to claim 3, further comprising precipitated mixed oxides.

10. (Previously presented) Composition, containing at least one polymerizable monomer and/or prepolymer, at least one polymerization initiator and at least one particulate composite material comprising an average particle size of 20 to 50 μm and containing at most 10 wt.-% particles with a size of $< 10 \mu\text{m}$.

11. (Previously presented) Composition according to claim 10, comprising

- (i) 10 to 80 wt.-% organic binder;
- (ii) 0.01 to 5 wt.-% polymerization initiator;
- (iii) 20 to 90 wt.-% particulate composite filler,

each relative to the total mass of the composition.

12. (Previously presented) Composition according to claim 10, further comprising an inorganic filler.

13. (Previously presented) Composition according to claim 12, wherein said inorganic filler comprises quartz, glass ceramic, glass powder, or a mixture thereof.

14. (Previously presented) Composition according to claim 13, wherein said glass powder comprises barium glass powder and/or strontium glass powder.

15. (Previously presented) Composition according to claim 13, wherein said quartz, glass ceramic and/or glass powder has an average particle size of 0.4 to 2 μm .

16. (Previously presented) Composition according to claim 12, comprising 25 to 70 wt.-% quartz, glass ceramic and/or glass powder.

17. (Previously presented) Composition according to claim 12, further comprising an X-ray-opaque filler.

18. (Previously presented) Composition according to claim 17, comprising ytterbium fluoride.

19. (Previously presented) Composition according to claim 17, comprising 1 to 10 wt.-% X-ray-opaque filler.
20. (Previously presented) Composition according to claim 12, further comprising a layered silicate.
21. (Previously presented) Composition according to claim 20, comprising 0.05 to 5 wt.-% layered silicate.
22. (Previously presented) Composition according to claim 10, further comprising precipitated mixed oxide.
23. (Previously presented) Composition according to claim 22, comprising $\text{SiO}_2/\text{ZrO}_2$ mixed oxide.
24. (Previously presented) Composition according to claim 22, wherein said mixed oxide has a particle size of 200 to 300 nm.
25. (Previously presented) Composition according to claim 22, comprising 20 to 70 wt.-% mixed oxide.
26. (Previously presented) Composition according to claim 10, further comprising 0.01 to 2 wt.-% additives.
27. (Previously presented) The composition according to claim 10, comprising a tooth-filling material, material for inlays or onlays, tooth cement, facing material for crowns and bridges, or material for false teeth.
28. (Previously presented) Particulate composite material according to claim 3, wherein the organic binder is 10 to 30 wt.-%, the polymerization initiator is 0.5 to 2 wt.-%, and the inorganic filler is 60 to 88 wt.-%.
29. (Previously presented) Particulate composite material according to claim 6, wherein said average particle size is 0.7 to 1.0 μm .

30. (Previously presented) Particulate composite material according to claim 7, wherein said composite contains 20 to 30 wt.-% X-ray-opaque filler.

31. (Previously presented) Composition according to claim 16, comprising 30 to 50 wt.-% quartz, glass ceramic and/or glass powder.

32. (New) Particulate composite material according to claim 3, wherein the organic binder comprises 10 to 30 wt.-%, relative to the total mass of the uncured mixture.

33. (New) Particulate composite material according to claim 3, wherein the polymerization initiator comprises 0.5 to 2 wt.-%, relative to the total mass of the uncured mixture.

34. (New) Particulate composite material according to claim 3, wherein the inorganic filler comprises 60 to 88 wt.-%, relative to the total mass of the uncured mixture.